



IRAM-ITS-IMQ (I³) S.A.

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Argentina

Certification Guidelines

For

Electric and Electronic Products

General information about Argentina



Capital City	Buenos Aires
Airport	Aeropuerto Internacional EZEIZA, Ministro Pistarini (EZE)
Language	Spanish (official)
Currency	ARS (Pesos) – exchange rate : 3,7 AR\$ ~ 1U\$D
Time	UTC/GMT -3 hours
Constitution	Republic
World Location	



Conformity Assessment Systems

Legislation



According to Resolution 92/1998 (*), electric and electronic products are required to be safety certified, under IRAM or IEC standards.

The Manufacturers or Importers, depending on the kind of product, can choose one of the following certification schemes to commercialize these products in Argentina Marketplace (Resolution 197/2004):

ISO Certification Scheme	Certification activities
5 (Mark certification)	Type testing + factory inspection + Argentina market surveillance
4 (Type certification)	Type testing + Argentina market surveillance
7 (Lot certification)	Batch testing in Argentina (under IRAM 15 sampling criteria)

(*) Resolution 92/98 was published in February 1998, establishes the requirements for all electric and electronic products operating up to **1000 AC** or **1500 DC**, with power consumption rated up to **5 KVA** , and installations materials rated up to **63 A**.

Argentina National Deviations

Mains	220V – 50Hz
Power cord set / plug	<p>2 poles for products class II according to IRAM 2063 (see annex AQI-003 for power cord labelling)</p>  <p>2 poles+earth contact for products class I, according to IRAM 2073 (see annex AQI-003 for power cord labelling)</p> 
Product's Manuals and Labelling	in Spanish language
Type of insulation	products class 0 and 01 are not allowed

Products subjected to Safety Certification

The following table indicates the product for which mandatory safety certification is required to be commercialized in Argentina market and the corresponding certification scheme to be applied.

Product	Certification scheme
<ul style="list-style-type: none"> • Fuses • Incandescent and fluorescent lamps • Terminal blocks • Electromagnetic and electronic ballasts for fluorescent lamps • Ignitors and starters for discharge lamps and fluorescent lamps • Lamp holders and ignitor holders for fluorescent lamps • Lamp holders for incandescent lamps • Ancillary components for fixed installations (boxes, pipes, canals) • Transformers for halogen lamps • Control and command electronic components for fixed installations • Cord extensions (simple or multiple) • Sockets outlet for domestic use, fixed and portable type. 10A / 20A • Plugs for domestic use • Capacitors 1µF up to 2.5KVA • Cables for fixed installations • Fuses and fuse bases • Switches for installations • Circuit breakers for over current protection • Residual current circuit breakers • Incandescent lamps • Earth installation material • Energy Saving lamps • Insulating ribbon • Instantaneous and storage water heaters • Air conditioners (Split and window type up to 6.500 Kcal/h) • Washing machines • Dryers • Dishwashers • Energy meters for domestic use • Refrigerators for household • Freezers for household 	Mark certification
<ul style="list-style-type: none"> • Appliances for heating liquids (coffee makers, kettles, fryers) • Electrical irons • Electrical shavers • Kitchen appliances (food processors, blender, mixers) • Portable electrical tools • Range hoods • Skin and hair care appliances Clothes dryers • Fans for domestic use • Gas appliances with electrical devices • Household and commercial cooking appliances • Hydro-washers • Lawn mowers and hand-held lawn-edge trimmers • Microwave ovens • Vacuum cleaners, scrubbing machines and other devices for floor treatment and cleaning • Electric and electronic equipment and devices in general consuming less than 5kVA not included above. • Materials for electrical installations rated under 63A not included above 	Mark certification Type certification
<p><u>The following products with voltage operation below 50V are required to certify:</u></p> <ul style="list-style-type: none"> • Luminaries and power source systems for luminaries connected to mains. • Dichroic lamps and its lamp holders • Hand held tools battery operated • Electric fences • Muscle stimulators for gym activity 	Mark certification Type certification

IMPORTANT

According to Resolution 198/2004, products operating **only** with batteries do not need certification, except those listed above.

Products rated below than **50V** with dual (battery or adaptor) operation, with adaptor provided by the manufacturer must include such adaptor duly certified. The owner's manual must indicate that only the original adaptor provided can be used for safety reasons.

In case that the adaptor is not provided by the manufacturer, the main characteristics of the required power supply must be indicated in the owner's manual.

Certification Procedures

	What to do	
Step	IRAM Safety Mark Certification	Type Certification
Application	Get the application form AQF-003 filled-in and signed by the applicant	Get the application form AQF-004 filled-in and signed by the applicant
Rules of Contracting	Get the Rules DC-PA-017 signed by the applicant	Get the Rules AQR-002 signed by the applicant
Product's data	Collect the following <u>Product's</u> documents: - User's manual in Spanish - Marking plate in Spanish - Plug's certificate according IRAM standards (2 poles or 3 poles) - IEC certificate + IEC Test report - Product's data sheet or brochure	Collect the following <u>Product's</u> documents: - User's manual in Spanish - Marking plate in Spanish - Plug's certificate according IRAM standards (2 poles or 3 poles) - IEC certificate + IEC Test report - Product's data sheet or brochure
Manufacturer's documentation	Collect the following <u>Manufacturer's</u> documents: - Copy of Company's legal registration in the resident country - Copy of trade mark registration - Factory audit report (CIG 23-Cenelec style) not older than 1 year, from each facility in which the products are manufactured)	Not Required

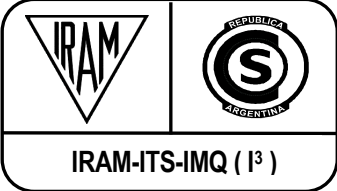
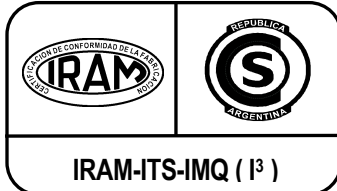
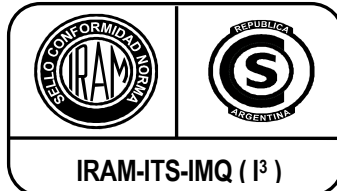


Certification Schemes

Comparison

Issue	IRAM Safety Mark	Type Certification	Remark
Testing under IEC	Yes	Yes	Full test performed at Intertek labs or Argentina labs
Factory Follow Up	Yes (1 per year) CIG 23 form	No	Conducted by Intertek
Product Follow Up	Yes (1 per year)	Yes (2 per year)	Critical Component Verification or Reduced test to be done in Argentina (resolution 96/2003)
Fees	Review + Annual according qty. of families	Per certificate or application	To be invoiced to the applicant or Intertek office (to be indicated in application form)
Marking	IRAM + S	S-T	To be included in the product marking plate and its packaging
Turnaround	3 weeks	1 week	Since the documentation is received in Argentina office
IRAM committee approval	Yes	No	IRAM Meetings agenda : 1 per month, 3 rd Tuesday of each month
Expiration	No	No	Argentina Local Product Follow Up must be done to keep the certificate valid

Marking

The following table indicates the mark to apply to the product / packaging according to the certification scheme.

Certification Scheme	Marking	Remarks
IRAM Safety Mark certification (ISO No.5 scheme)		IRAM Safety Mark , to be tagged when <u>safety</u> standards are complied (e.g. IEC 335-1)
		IRAM Mark of Conformity with manufacturing , to be tagged when <u>performance</u> standards are complied (e.g. IEC 238 for Edison screw lamp holders)
		IRAM Mark of Conformity with IRAM standard , to be tagged when <u>IRAM</u> standards are complied (e.g. IRAM 2073 for plugs)
Type certification (ISO No.4 scheme)	 Cert N°	Government Mark , to be tagged on the product according to Government's Resolution 197/2004, based on compliance of IRAM or IEC standards. "Cert. N°" is the <u>certificate number</u> which optionally may be indicated on the products. (Resolution 109/2005)
Lot certification (ISO No.7 scheme)	 Lote N° Cert N°	Government Mark , to be tagged on the product according to Government's Resolution 197/2004, based on compliance of IRAM or IEC standards. "Lote N°" is the <u>lot number</u> it must be indicated on the certified products "Cert. N°" is the <u>certificate number</u> which optionally may be indicated on the products. (Resolution 109/2005)



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Certification surveillance

Factory Audit (IRAM Safety Mark Certification)

As part of IRAM mark certification maintenance (Scheme ISO No.5) a follow up activity at the corresponding factory will be conducted.

The manufacturer must undergo an **annual factory inspection** using the Cenelec's CIG-23 form.

ICube will schedule and trigger the relevant Initial / Routine Factory Inspection through the INTERTEK ETL SEMKO's RFCs / IMQ facilities using the CIG 22 form for manufacturers outside of Argentina.

Product Follow Up in Argentina

(IRAM Safety Mark Certification)

As part of IRAM Mark certification maintenance, according to Resolution No. 96/2003, a **reduced test "in country"** is required to be conducted each **12 months** at any recognized Argentinean lab.

The first verification must be performed within 180 days since the type certificate is issued.

ICube will sample the products in market to submit to the lab.

The cost will be charged to the corresponding importer (approx. USD 300 each testing)

(Type Certification)

As part of ICube Type certification maintenance, according to Resolution No. 96/2003, a **reduced test "in country"** is required to be conducted each **6 months** at any recognized Argentinean lab.

The first verification must be performed within 90 days since the type certificate is issued.

ICube will sample the products in Argentina marketplace to submit to a recognized local lab.

The cost will be charged to the corresponding importer (approx. USD 300 each testing)

Contact us

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